



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

PLAGUE-PREVENTION WORK.

CALIFORNIA.

The following report of plague-prevention work in California for the week ended May 15, 1915, was received from Passed Asst. Surg. Hurley, of the United States Public Health Service, in temporary charge of the work:

San Francisco, Cal.

RAT PROOFING.		RAT PROOFING—continued.	
New buildings:		Old buildings—Continued.	
Inspections of work under construction.	216	Cubic feet new foundation walls installed	7,539
Basements concreted (square feet, 29,384).	38	Concrete floors installed (square feet, 27,681)	45
Floors concreted (square feet, 17,706)	31	Basements concreted (square feet, 14,525)	18
Yards, passageways, etc. (square feet, 15,383)	84	Yards and passageways, etc., concreted (square feet, 27,681)	98
Total area of concrete laid (square feet)	62,473	Total area concrete laid (square feet)	69,887
Class A, B, and C (fireproof) buildings:		Floors rat-proofed with wire cloth (square feet, 8,352)	7
Inspections made	264	Buildings razed	15
Roof and basement ventilators, etc., screened	4,490	New garbage cans stamped approved	350
Wire screening used (square feet)	26,410	Nuisances abated	417
Openings around pipes, etc., closed with cement	8,748		
Sidewalk lens lights replaced	18,000	OPERATIONS ON THE WATER FRONT.	
Old buildings:		Vessels inspected for rat guards	21
Inspections made	719	Reinspections made on vessels	24
Wooden floors removed	37	New rat guards procured	6
Yards and passageways, planking removed	9	Defective rat guards repaired	3
		Vessels on which cargo was inspected	1

Amount of cargo inspected and description of same.	Condition.	Rat evidence.
Steamer Congress from Seattle:		
150 cases milk, salmon, cheese, and household goods	O. K.	None.
600 sacks wheat, flour, and bran	do.	Do.

Rats trapped on wharves and waterfront	26	RATS COLLECTED AND EXAMINED FOR PLAGUE.	
Rats trapped on vessels	19	Collected	308
Traps set on wharves and waterfront	175	Examined	260
Traps set on vessels	46	Found infected	0
Vessels trapped on	10	RATS IDENTIFIED.	
Poisons placed on waterfront (pieces)	3,600	Mus norvegicus	156
Poisons placed within Panama-Pacific International Exposition grounds (pieces)	7,200	Mus musculus	65
Bait used on waterfront and vessels. Bacon (pounds)	6	Mus alexandrinus	60
Amount of bread used in poisoning waterfront (loaves)	12	Mus rattus	27
Pounds of poison used on waterfront	6		

Squirrels collected and examined for plague.

San Benito County	309
Contra Costa County	417
Alameda County	100
San Joaquin County	184
Merced County	91
Stanislaus County	38
Santa Cruz County	6
Total	1,145
Found infected	None.

Ranches inspected and hunted over.

Contra Costa County.....	34
San Benito County.....	37
San Joaquin County.....	19
Alameda County.....	16
Merced County.....	15
Santa Cruz County.....	5
Stanislaus County.....	3
Total.....	129

Record of plague infection.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	(¹)	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	(¹)	126 rats.
Berkeley.....	Aug. 28, 1907	(¹)	(¹)	None.
Los Angeles.....	Aug. 11, 1908	(¹)	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).	Sept. 24, 1909	Oct. 17, 1909 ²	Aug. 7, 1914	286 squirrels; 1 wood rat.
Contra Costa.....	May 17, 1914	(¹)	Mar. 4, 1915	1,567 squirrels.
Fresno.....	(¹)	(¹)	Oct. 27, 1911	1 squirrel.
Merced.....	(¹)	(¹)	July 12, 1911	5 squirrels.
Monterey.....	(¹)	(¹)	Apr. 10, 1914	6 squirrels.
San Benito.....	June 4, 1913	(¹)	Apr. 13, 1915	37 squirrels.
San Joaquin.....	Sept. 18, 1911	(¹)	Aug. 26, 1911	18 squirrels.
San Luis Obispo.....	(¹)	(¹)	Jan. 29, 1910	1 squirrel.
Santa Clara.....	Aug. 31, 1910	(¹)	July 23, 1913	25 squirrels.
Santa Cruz.....	(¹)	(¹)	May 17, 1910	3 squirrels.
Stanislaus.....	(¹)	(¹)	June 2, 1911	13 squirrels.

¹ None.² Wood rat.

The work is being carried on in the following named counties: Alameda, Contra Costa, San Francisco, Merced, San Joaquin, Santa Cruz, Stanislaus, San Benito, Santa Clara and San Mateo.

LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following reports of plague-eradication work at New Orleans were received from Surg. Creel, of the United States Public Health Service, in temporary charge of the work:

WEEK ENDED MAY 15, 1915.

OUTGOING QUARANTINE.		FIELD OPERATIONS.	
Vessels fumigated with sulphur.....	16	Rats trapped.....	5,902
Vessels fumigated with carbon monoxide...	9	Number of premises inspected.....	12,500
Vessels fumigated with hydrocyanic gas....	1	Notices served.....	1,614
Pounds of sulphur used.....	4,871	BUILDINGS RAT PROOFED.	
Pounds of coke consumed in carbon monoxide fumigation.....	14,200	By elevation.....	164
Pounds of potassium cyanide used in hydrocyanic gas fumigation.....	102	By marginal concrete wall.....	244
Pounds of sodium carbonate used in hydrocyanic gas fumigation.....	120	By concrete floor and wall.....	325
Pounds of sulphuric acid used in hydrocyanic gas fumigation.....	104	By minor repairs.....	424
Clean bills of health issued.....	32	Square yards of concrete laid.....	11,810
Foul bills of health issued.....	8	Total buildings rat proofed.....	1,157
		Total buildings rat proofed to date.....	35,212
		Number of abatements.....	265
		Number of abatements to date.....	24,703

WEEK ENDED MAY 15, 1915—continued.

LABORATORY OPERATIONS.		LABORATORY OPERATIONS—continued.	
Rodents examined.....	2,831	Putrid.....	114
Mus norvegicus.....	2,326	Muskrats.....	97
Mus rattus.....	80	Total rodents received at laboratory.....	5,918
Mus alexandrinus.....	86	Number of suspicious rats.....	23
Mus musculus.....	3,258	Plague rats confirmed.....	4
Wood rats.....	70		

Rodent cases.

Case No.	Address.	Captured.	Diagnosis confirmed.	Treatment of premises.
238	2482 Royal Street.....	May 4, 1915	May 14, 1915	All flooring removed, and entire premises sprayed with a pulicide solution. Intensive trapping.
239do.....do.....do.....	
240do.....do.....do.....	
241do.....do.....do.....	

Last case of human plague, Oct. 4, 1914.

Last case of rodent plague, May 14, 1915.

Total number of rodents captured to May 15..... 315,285

Total number of rodents examined to May 15..... 248,407

Total cases of rodent plague to May 15, by species:

Mus musculus.....	4
Mus rattus.....	16
Mus norvegicus.....	213
Mus alexandrinus.....	8

Total rodent cases to May 15, 1915..... 241

WEEK ENDED MAY 22, 1915.

OUTGOING QUARANTINE.		BUILDINGS RAT PROOFED.	
Vessels fumigated with sulphur.....	12	By elevation.....	171
Vessels fumigated with carbon monoxide....	7	By marginal concrete wall.....	206
Vessels fumigated with hydrocyanic gas....	1	By concrete floor and wall.....	309
Pounds of sulphur used.....	4,492	By minor repairs.....	464
Pounds of coke consumed in carbon monoxide fumigation.....	10,500	Square yards of concrete laid.....	38,888
Pounds of potassium cyanide used in hydrocyanic-gas fumigation.....	102	Total buildings rat proofed.....	1,160
Pounds of sodium carbonate used in hydrocyanic-gas fumigation.....	120	Total buildings rat proofed to date.....	36,372
Pounds of sulphuric acid used in hydrocyanic-gas fumigation.....	104	Number of abatements.....	151
Clean bills of health issued.....	29	Number of abatements to date.....	24,851
Foul bills of health issued.....	6		
FIELD OPERATIONS.		LABORATORY OPERATIONS.	
Rats trapped.....	5,596	Rodents examined.....	2,588
Number of premises inspected.....	13,036	Mus norvegicus.....	1,969
Notices served.....	1,691	Mus rattus.....	96
		Mus alexandrinus.....	89
		Mus musculus.....	3,375
		Wood rats.....	67
		Putrid.....	161
		Musk rats.....	63
		Total rodents received at laboratory.....	5,659
		Number of suspicious rats.....	14
		Plague rats confirmed.....	1

Rodent case.

Case No.	Address.	Captured.	Diagnosis confirmed.	Treatment of premises.
242	Gravier and Saratoga (parish prison).	May 10	May 17	Rat proofing initiated.

Last case of human plague, Oct. 4, 1914.

Last case of rodent plague, May 17, 1915.

Total number of rodents captured to May 22..... 350,881

Total number of rodents examined to May 22..... 250,995

Total cases of rodent plague to May 22, by species:

Mus musculus.....	4
Mus rattus.....	16
Mus norvegicus.....	214
Mus alexandrinus.....	8
Total rodent cases to May 22, 1915.....	242

WASHINGTON—SEATTLE—PLAGUE ERADICATION.

The following reports of plague-eradication work at Seattle were received from Surg. Lloyd, of the United States Public Health Service, in charge of the work:

WEEK ENDED MAY 8, 1915.

RAT PROOFING.		CLASSIFICATION OF RODENTS.	
New buildings inspected.....	42	Mus rattus.....	18
Basements concreted, new buildings (19), square feet.....	18,260	Mus alexandrinus.....	114
Floors concreted, new buildings (15), square feet.....	27,490	Mus norvegicus.....	175
Yards, etc., concreted, new structures (3), square feet.....	2,875	Mus musculus.....	109
Sidewalks concreted.....square feet..	46,790	WATER FRONT.	
Total concrete laid, new structures...	95,415	Vessels inspected and histories recorded....	9
New buildings elevated.....	6	Vessels fumigated.....	1
New premises rat proofed, concrete.....	34	Sulphur used.....pounds..	950
Old buildings inspected.....	7	New rat guards installed.....	10
Premises rat proofed, concrete, old buildings.....	2	Defective rat guards repaired.....	6
Floors concreted, old buildings.....	2	Fumigation certificates issued.....	1
Wooden floors removed, old buildings.....	2	Port sanitary statements issued.....	39
Buildings razed.....	4	The usual day and night patrol was maintained to enforce rat guarding and fending.	
LABORATORY AND RODENT OPERATIONS.		MISCELLANEOUS WORK.	
Dead rodents received.....	15	Rat-proofing notices sent to contractors.....	19
Rodents trapped and killed.....	320	Fishing vessels inspected and medicine chests installed.....	3
Rodents recovered after fumigation.....	81	Lectures delivered on sanitary subjects.....	1
Total.....	416	RODENTS EXAMINED IN EVERETT.	
Rodents examined for plague infection.....	284	Mus norvegicus trapped.....	45
Rodents proven plague infected.....	0	Mus norvegicus found dead.....	4
Poison distributed.....pounds..	17	Mus musculus trapped.....	3
Bodies examined for plague infection.....	4	Total.....	52
Bodies found plague infected.....	0	Rodents examined for plague infection.....	50
		Rodents proven plague infected.....	0
		RAT-PROOFING OPERATIONS IN EVERETT.	
		New buildings inspected.....	2
		New buildings rat proofed, concrete foundations.....	2

WEEK ENDED MAY 15, 1915.

RAT PROOFING.		WATER FRONT.	
New buildings inspected.....	40	Vessels inspected and histories recorded.....	8
Basements concreted, new buildings.....square feet, 10,280..	12	Vessels fumigated.....	3
Floors concreted, new buildings.....square feet, 36,475..	20	Sulphur used, pounds.....	3,750
Yards, etc., concreted, new structures.....square feet, 4,275..	5	New rat guards installed.....	6
Sidewalks concreted.....square feet, 27,420.....		Defective rat guards repaired.....	10
		Fumigation certificates issued.....	3
		Port sanitary statements issued.....	46
		The usual day and night patrol was maintained to enforce rat guarding and fending.	
Total concrete laid, new structures.....	78,450	MISCELLANEOUS WORK.	
New buildings elevated.....	8	Rat-proofing notices sent to contractors.....	20
New premises rat proofed, concrete.....	32	Fishing vessels inspected and medicine chests installed.....	3
Buildings razed.....	5	Lectures delivered on sanitary subjects.....	2
LABORATORY AND RODENT OPERATIONS.		RODENTS EXAMINED IN EVERETT.	
Dead rodents received.....	14	Mus norvegicus trapped.....	51
Rodents trapped and killed.....	284	Mus norvegicus found dead.....	6
Rodents recovered after fumigation.....	14	Mus musculus trapped.....	2
Total.....	312	Total.....	59
Rodents examined for plague infection.....	217	Rodents examined for plague infection.....	55
Rodents proven plague infected.....	0	Rodents proven plague infected.....	0
Poison distributed, pounds.....	22	RAT-PROOFING OPERATIONS IN EVERETT.	
Bodies examined for plague infection.....	3	New buildings inspected.....	3
Bodies proven plague infected.....	0	New buildings rat proofed by concrete founda- tions.....	2
CLASSIFICATION OF RODENTS.		New buildings elevated.....	1
Mus rattus.....	21	Basements concreted, new buildings.....square feet, 750..	1
Mus alexandrinus.....	62	Yards concreted.....square feet, 140..	1
Mus norvegicus.....	166		
Mus musculus.....	62	Total concrete laid, new structures.....	890
Unclassified.....	1		

HAWAII—HONOLULU—PLAGUE PREVENTION.

The following report of plague-prevention work at Honolulu for the week ended May 8, 1915, was received from Surg. Trotter, of the United States Public Health Service:

Total rats and mongoose taken.....	437	Average number of traps set daily.....	1,085
Rats trapped.....	432	Cost per rat destroyed.....	19 cents
Mongoose trapped.....	4	Last case rat plague, Aiea, 9 miles from Hono- lulu, Apr. 12, 1910.	
Rats killed by sulphur dioxide.....	1	Last case human plague, Honolulu, July 12, 1910.	
Examined microscopically.....	369	Last case rat plague, Kalopa stable, Pauhanu, Hawaii, Aug. 29, 1914.	
Showing plague infection.....	0	Last case human plague, Pasuhau Landing, Hawaii, Aug. 17, 1914.	
Classification of rats trapped:			
Mus alexandrinus.....	239		
Mus musculus.....	123		
Mus norvegicus.....	49		
Mus rattus.....	21		
Classification of rats killed by sulphur dioxide:			
Mus alexandrinus.....	1		

PORTO RICO—PLAGUE PREVENTION.

During the two weeks ended May 8, 1915, 350 rats and 38 mice were examined in Porto Rico. No plague infection was found. The rodents were collected in San Juan, Puerta de Tierra, and Santurce.